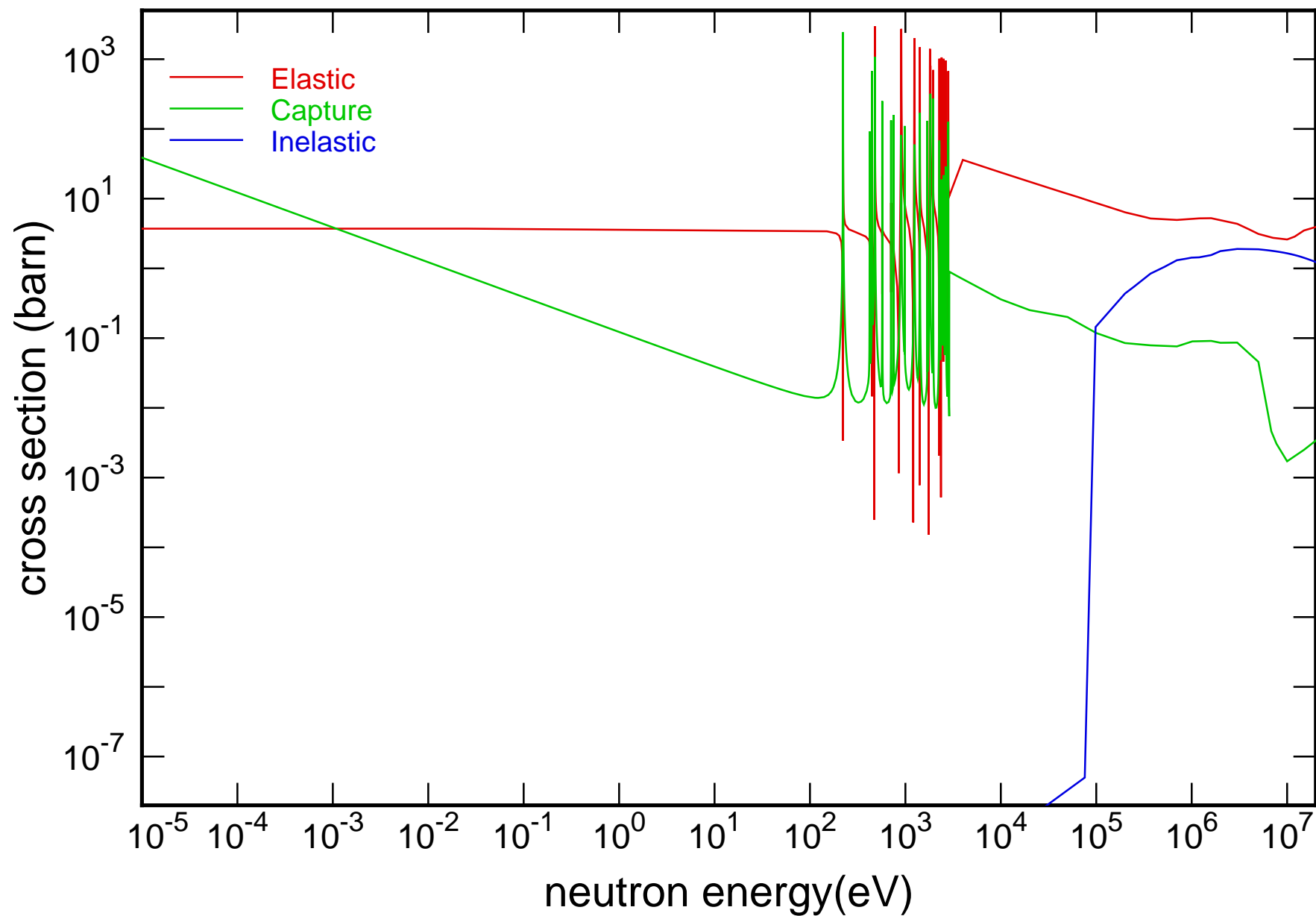# Main Cross Sections

Elastic
Capture
Inelastic

cross section (barn)

neutron energy(eV)

Cross Section

Cross Section

cross section (barn)

neutron energy(eV)

$*10^6$

- n_n_tot
- n_p_tot
- n_d_tot
- n_t_tot
- n_a_tot

Angular distribution (CMS)
Elastic
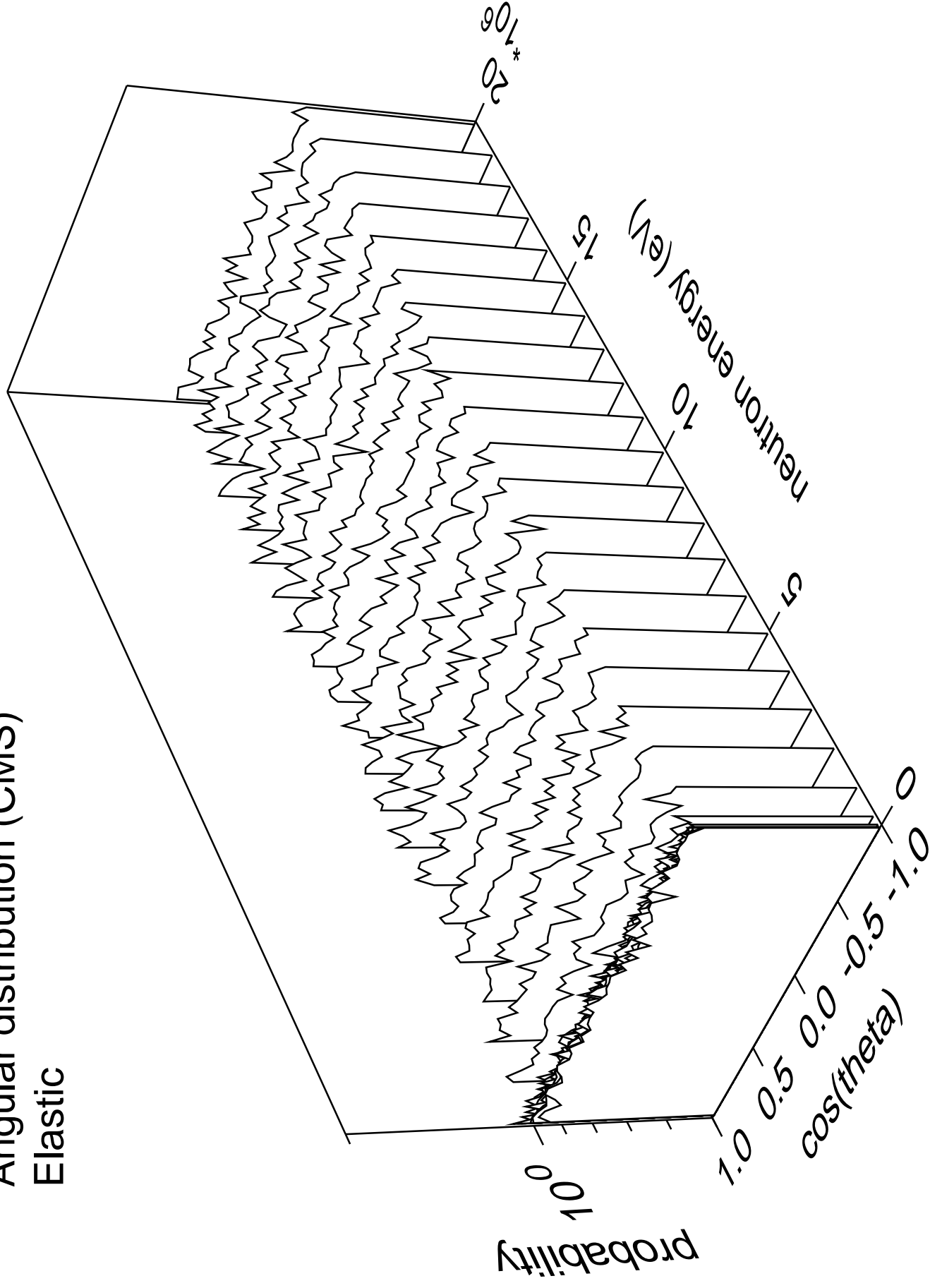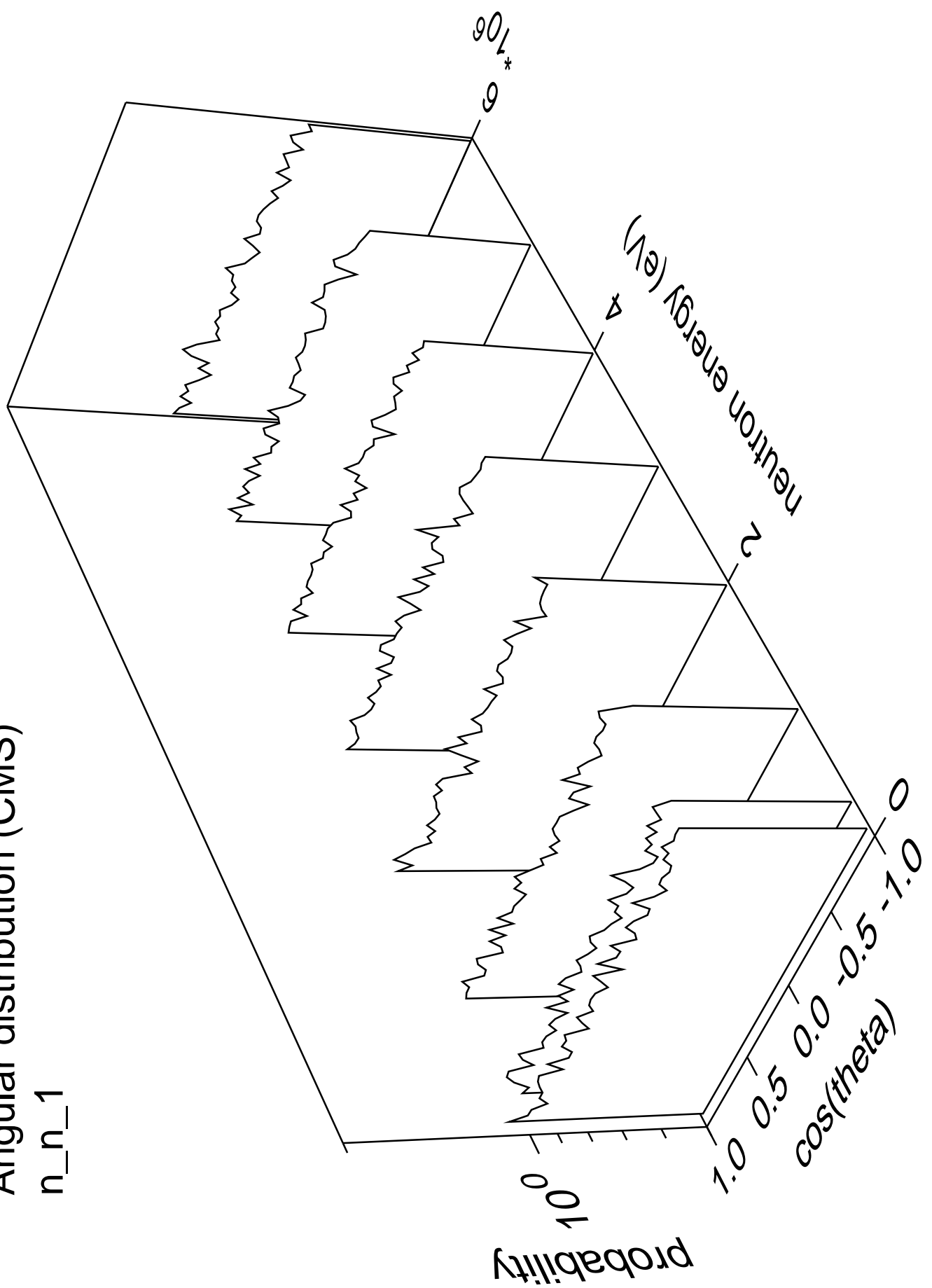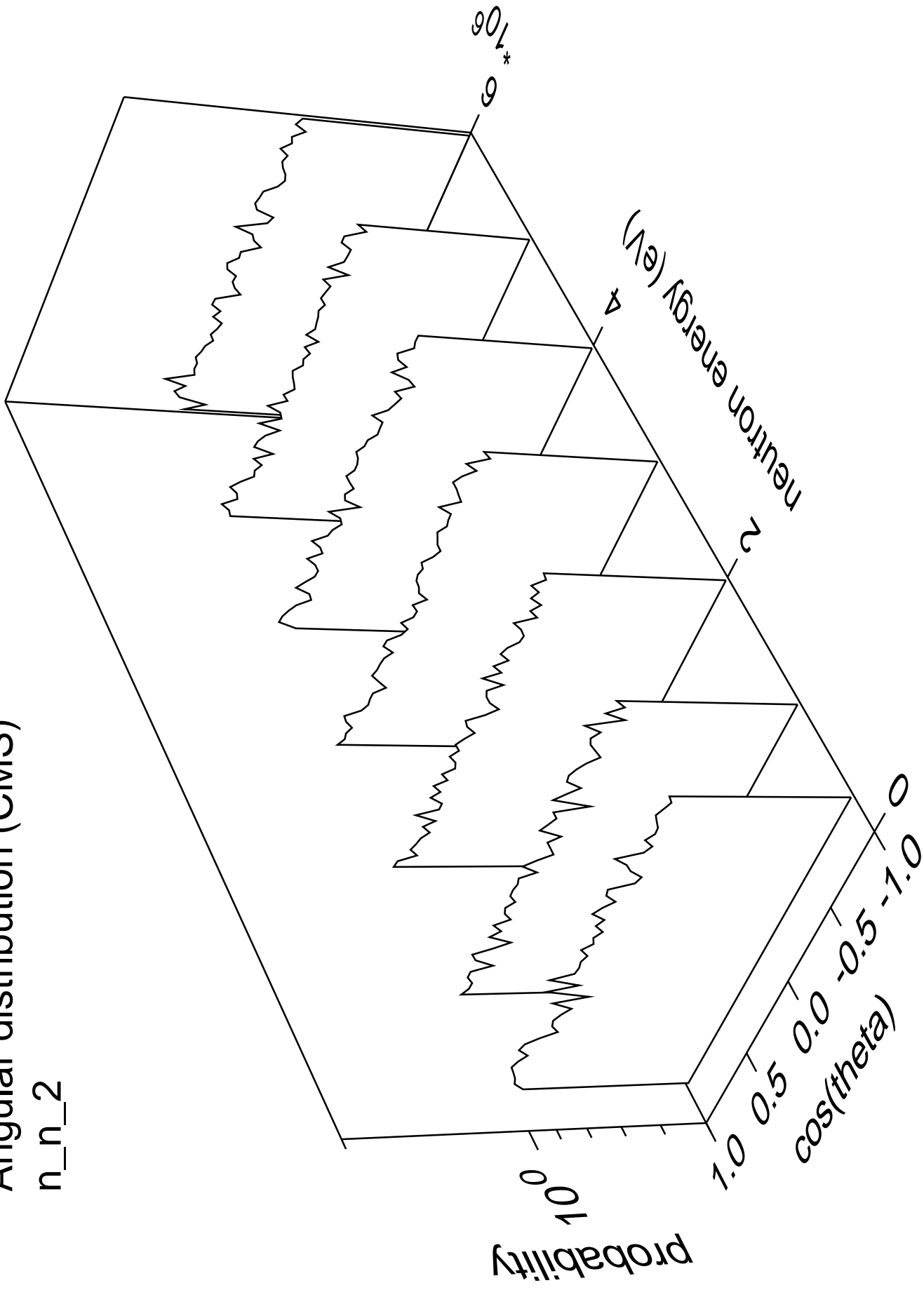
probability

neutron energy (eV)

cos(theta)

*10⁶

20

15

10

5

0

1.0 0.5 0.0 -0.5 -1.0

Angular distribution (CMS)
n_n_1

probability

10^0

cos(theta)

1.0 0.5 0.0 -0.5 -1.0

0

2

4

6

$*10^6$

neutron energy (eV)

Angular distribution (CMS)
n_n_2

probability

10^0

cos(theta)

1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

0

2

4

6 *10^6

Angular distribution (CMS)
n_n_3

neutron energy (eV)

cos(theta)

probability

6

$*10^6$

4

2

0

1.0 0.5 0.0 -0.5 -1.0

10^0

Angular distribution (CMS)
n_n_4

probability

cos(theta)

neutron energy (eV)

1.0 0.5 0.0 -0.5 -1.0

2.5   3.0   3.5

2.0

3.5

3.0

2.5

2.0

4.0
*10⁶

0

10

Angular distribution (CMS)
n_n_5

probability

10^0

cos(theta)

1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

2

4

6 *10⁶

Angular distribution (CMS)
n_n_6

probability

10^0

cos(theta)

1.0 0.5 0.0 -0.5 -1.0

neutron energy (eV)

2

4

6 *10^6

Angular distribution (LABS)
n_n_cont

probability

neutron energy (eV)

cos(theta)
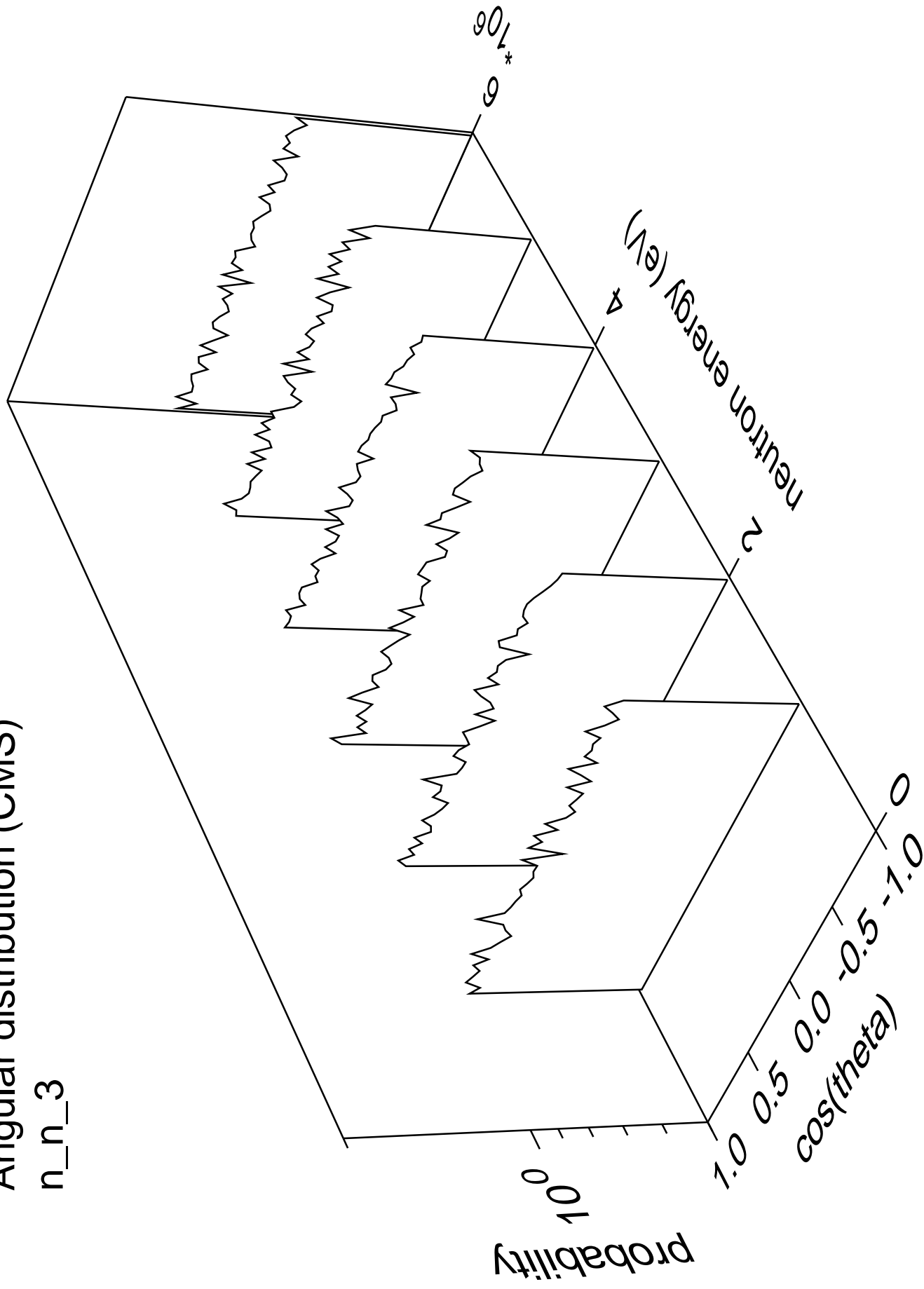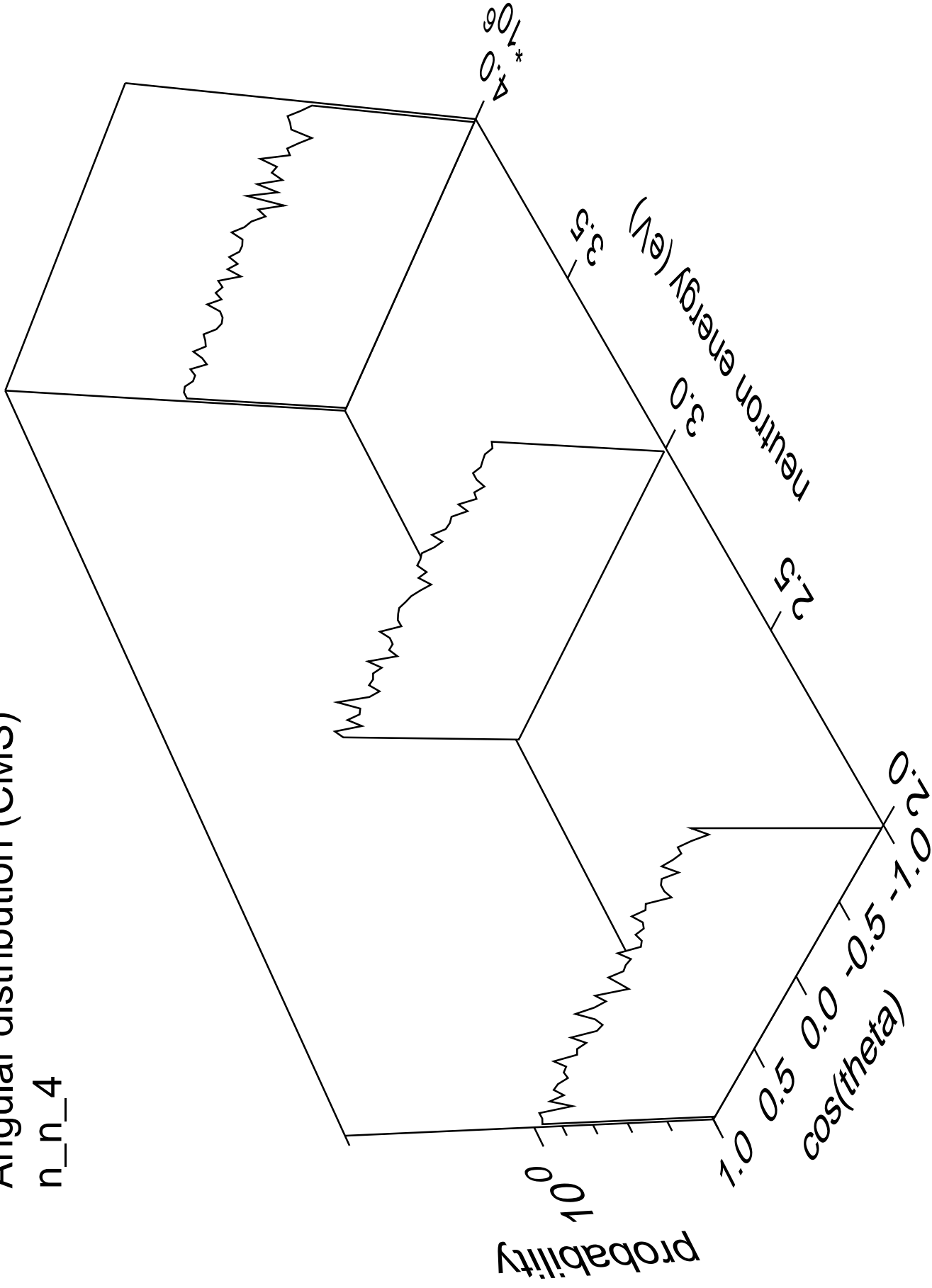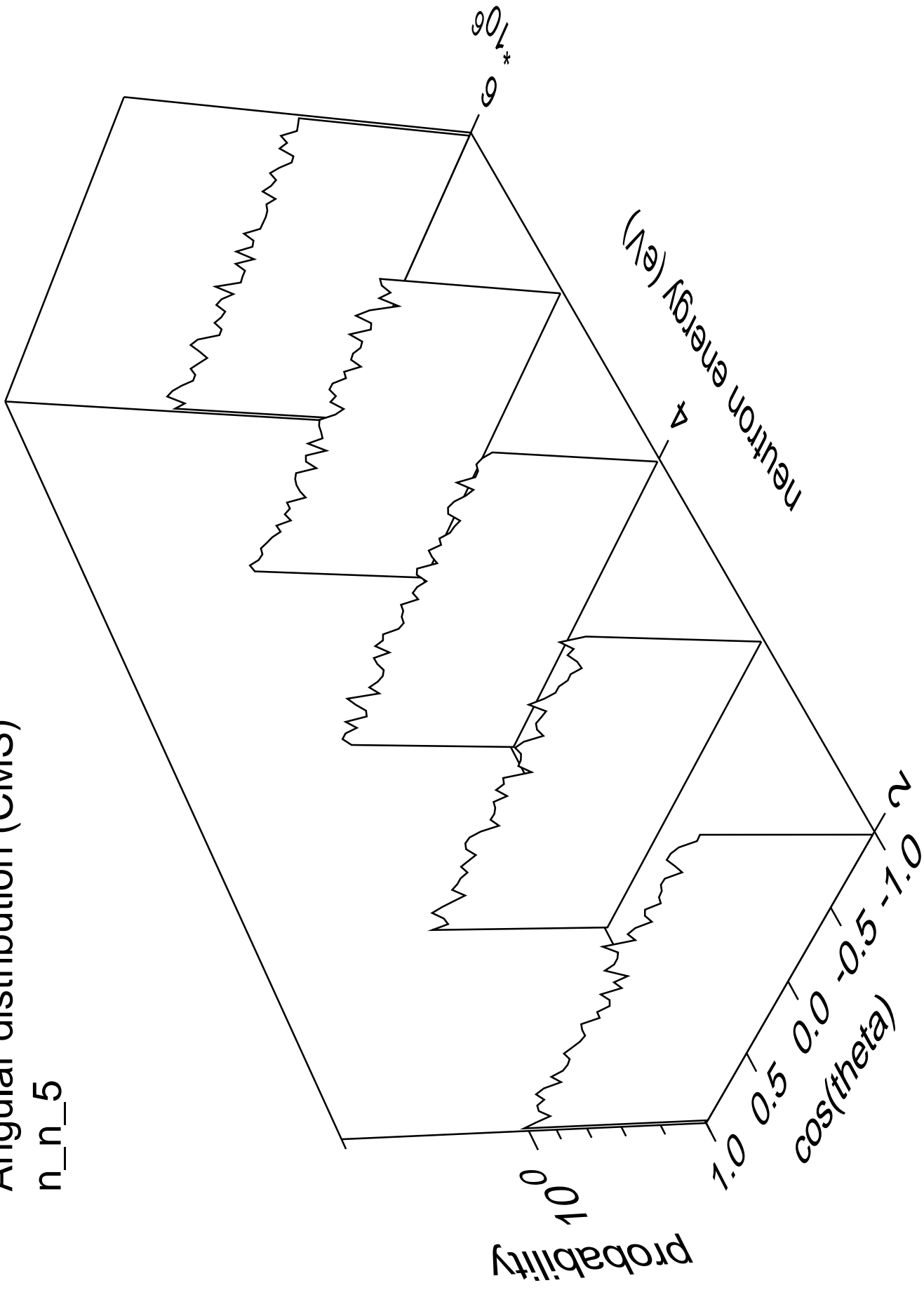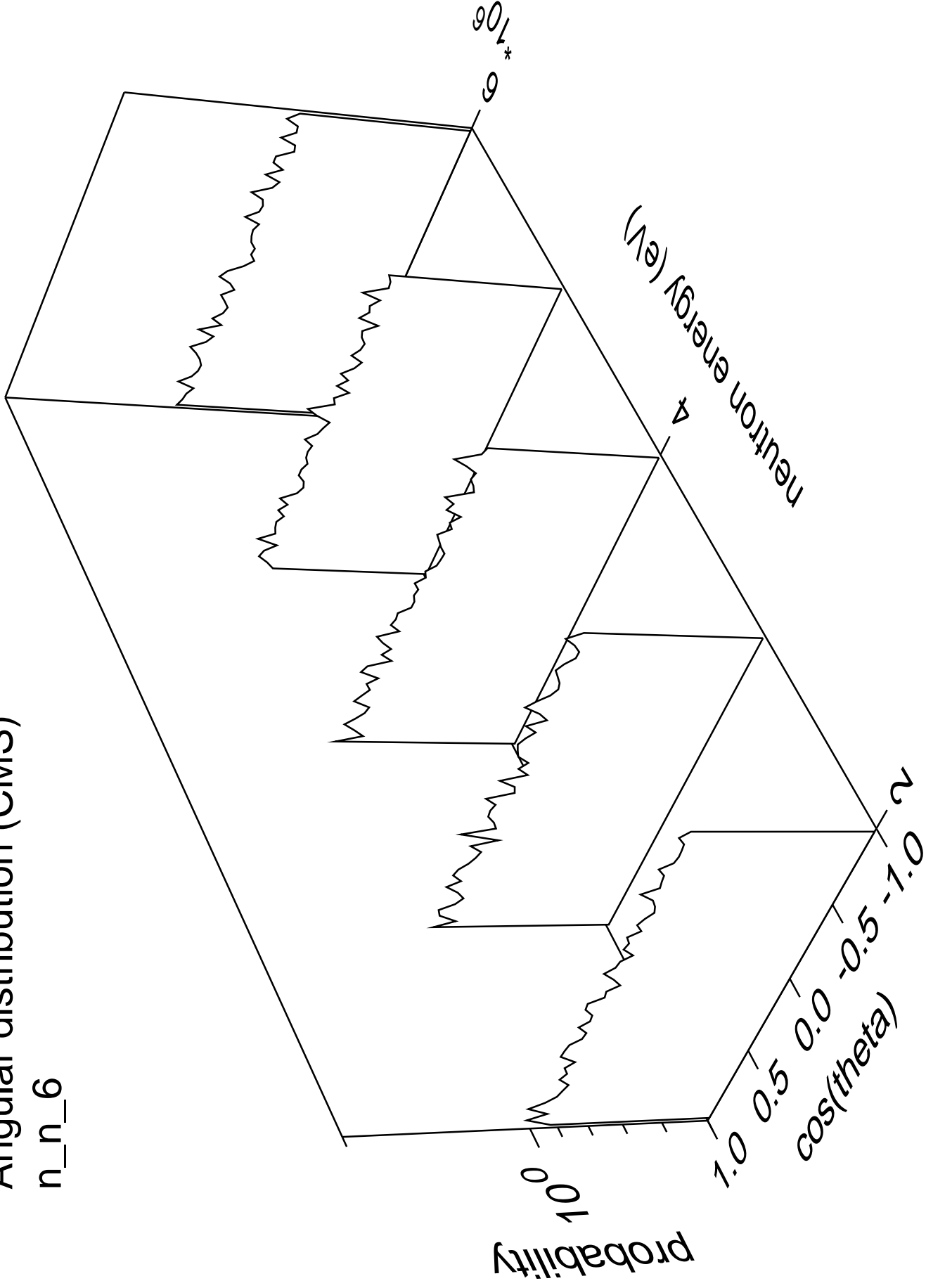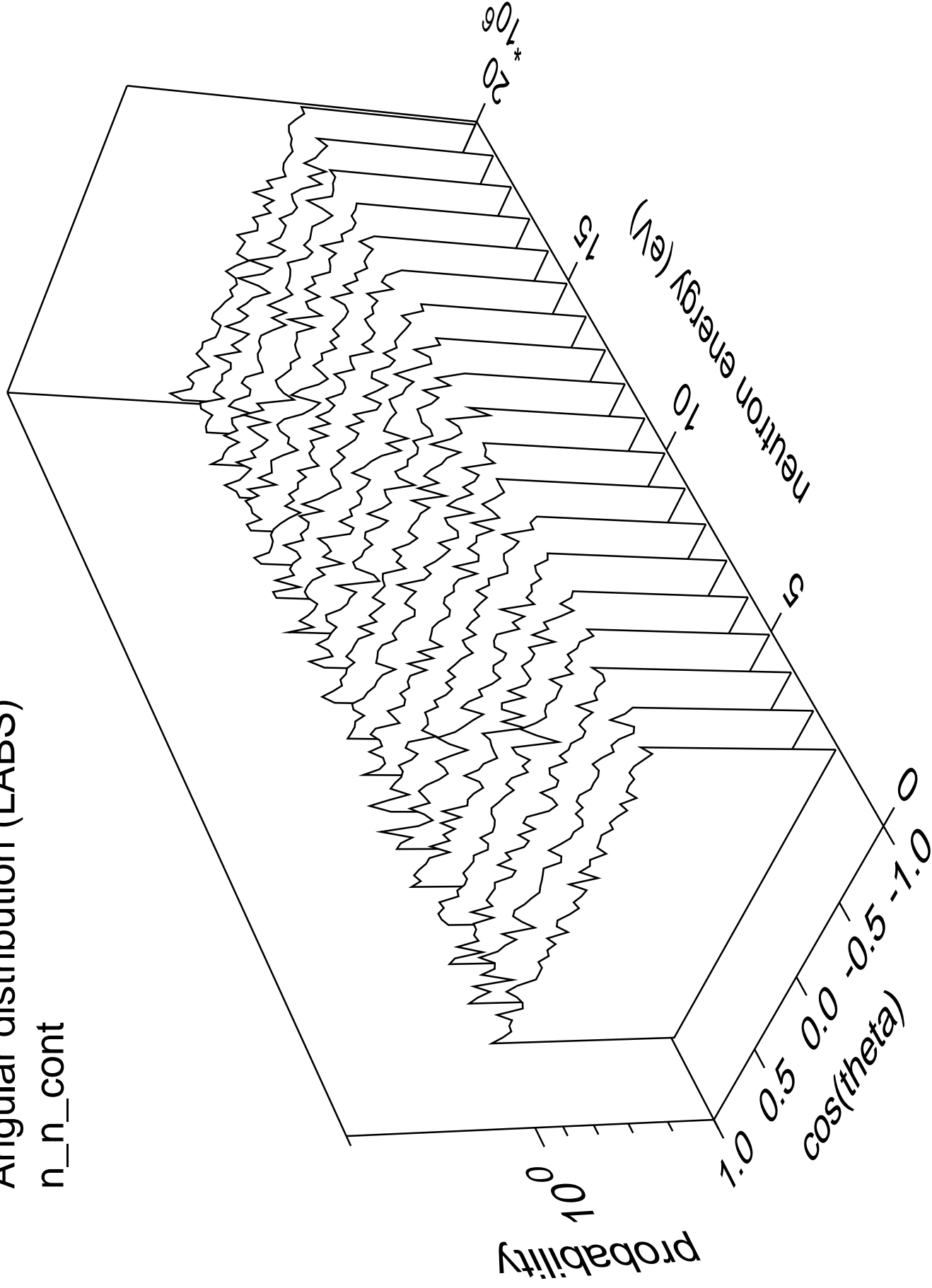
Energy distribution (LABS)
n_n_cont

probability

neutron energy (eV)

energy (eV)